



1. Product and Company Information

Product Name:

Universal Indicator Solution

CAS Number(s):

Mixture

Company:

Consolidated Chemical & Solvents LLC
405 Business Park Lane
Allentown, PA 18109
484-460-2644
www.consolidated-chemical.com

Emergency Contact:

Poison Control Help Line:
1 (800) 222-1222

2. Hazards Identification

GHS Classification in accordance with 20 CFR 1910 (OSHA HCS):

Flammable liquids (Category 3), H226
Eye irritation (Category 2A), H319

Hazard and Precautionary Statements:



Pictogram(s):

Signal Word: **WARNING**

Hazard Statement(s):

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

Precautionary Statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container to an approved waste disposal plant.

3. Hazardous Component Classification

Name	Formula	Molecular Weight	CAS Number
Ethanol	C ₂ H ₆ O	46.07 g/mol	64-17-5

4. First Aid Measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact:

Wash off with soap and plenty of water. Consult a physician.

Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Firefighting Measures

Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Firefighting Procedures:

Wear self-contained breathing apparatus for firefighting if necessary.

Hazards and Concerns:

Carbon oxides.

6. Accidental Release Measures

Precautions and Procedures:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Containment and Cleaning:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Handling, Storage, and Disposal

Safe Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Safe Storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

8. Physical and Chemical Properties

Appearance:

Liquid

Flash point:

23 °C (73 °F)

Stability:

Stable under recommended storage conditions.

Incompatibility:

Strong acids, Acid chlorides, Acid anhydrides, Ammonia, Oxidizing agents, Peroxides

9. Toxicological Information

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

10. Transport Information

DOT:

Proper shipping name: Ethanol solutions
UN number: 1170, Class: 3, Packing group: III

11. Regulatory Information

SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Right to Know Components (Pennsylvania, New Jersey, Massachusetts):

Ethanol, CAS-No: 64-17-5

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

NFPA Rating:

Health hazard – 2
Fire hazard – 3
Reactivity hazard – 0
Special hazard – N/A

12. Other Information

Information presented above is believed to be accurate and represents the best information currently available to us and is applicable to the product with regard to safety precautions. However, we make no warranty, expressed or implied, with respect to such information, and Consolidated Chemical & Solvents LLC shall assume no liability resulting in its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.